

forming upon the series of separated magnetic material stripes and exposed portions of the series of atomic scale steps a blanket non-magnetic conductor material layer; and

planarizing the blanket non-magnetic conductor material layer to form a series of non-magnetic conductor material stripes interposed between and contacting the series of separated magnetic material stripes.

30. The method of claim **39** wherein the series of magnetic material stripes is formed from a ferromagnetic material.

31. The method of claim **40** wherein the ferromagnetic material is selected from the group consisting of iron, cobalt, nickel and alloys thereof.

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